Skagit PUD
PUBLIC UTILITY DISTRICT

1415 Freeway Drive • Post Office Box 1436
Mount Vernon WA 98273
Fax (360) 424-8764 • Phone (360) 424-7104

LETTER OF TRANSMITTAL

DATE: October 23, 2015

TO: Rebecca Inman, Water Resources Program
Washington State Department of Ecology
P.O. Box 47600
Olympia, WA 98504-7600

FROM: Bill Trueman, Environmental Services Coordinator

RE: **Drought Relief Grant Application Submittal**
Automated Bulk Water Loading (Fill) Station Project

COMMENTS:

Please see the attached drought relief grant application submittal. Doug McConnell will be the primary contact if this grant is awarded, but please contact me if you have questions until then. The following documents are attached:

- Drought Relief Grant Application
- Four Project Maps
- Analysis of Hydrant Meter Use
- Water Rights information related to the Alger and Judy Reservoir water systems

If you have any further questions, please do not hesitate to contact me.

Thank you.

Ecology Use Only

Application Number						
D2015						

Date

DROUGHT RELIEF GRANT APPLICATION

The information provided in this application will be used to determine general eligibility for funding from the Drought Relief Program, and the priority or ranking of the proposal amongst other competing proposals.

Separate application must be made for any needed emergency drought authorization. Before final approval of grant funding, the applicant must submit copies of all required permits and other authorizations needed for the proposal to Ecology for our review.

1. **Applicant Name(Public Body):** Public Utility District No. 1 of Skagit County			
Address: P.O. Box 1436	City: Mount Vernon	State: WA	Zip: 98273
(a) Authority (State Law): 54.08 RCW			
(b) Date Organized: 1936			

2. **Contact Person:** Doug McConnell		Title: Contract Administrator	
Address: P.O. Box 1436	City: Mount Vernon	State: WA	Zip: 98273
Email: mcconnell@skagitpud.org	Phone #: 360-424-7104		

3. PROJECT(S) DESCRIPTION

Provide a description of the proposed project(s) and a detailed scope of work. Attach additional sheet(s) if necessary. Attach a map (U.S.G.S. Quad or comparable) showing the geographic location of the proposed project(s).

The District's Judy Reservoir Group A water system (PWSID No. 79500 E; Judy System) and eight satellite water systems provide the most expansive water service in Skagit County. While the standard method of providing water to customers is through "piped" water, the District is able to serve customers not connected to a system through temporary use of a fire hydrant. This alternative method serves a variety of uses in Water Resource Inventory Area 3 (WRIA 3) such as residential, agricultural, recreation, construction, and other industries. The unusually warm and dry drought conditions of the past year has resulted in an increase of water consumption through temporary hydrant connections and the discovery that there are numerous people that rely on this type of service for basic residential water needs when their wells fail.

As a result of increased need for trucked water and related increased risk to District water systems through the use of hydrant meters, the District desires to install new automated bulk water loading stations (fill stations). These fill stations will allow for retail purchase of bulk water to be hauled by the customer or a delivery service for the uses described above.

This project includes the construction of three proposed fill stations located at the perimeters of the District's main service area in the communities of Alger and Conway and the city of Sedro-Woolley. Each location has been identified to meet the greatest current need and would be placed adjacent to existing pipelines of the Judy System to avoid new waterline construction. Components of a fill station will include a concrete pad, connection to the existing waterline, connection to power and communication utilities, and a pre-manufactured automated bulk water loading station. Purchase of water will be through a self-serve "card lock" process. The three fill

stations are described as follows:

Bow Hill Road & Old Highway 99 North (Bow Hill)
The Bow Hill fill station is anticipated to be located at the north end of the District's service area near the intersection of Bow Hill Road & Old Highway 99 North. This location is adjacent to an existing District booster pump station for the Judy System. The site provides close access to major arterial routes as well as Interstate 5 approximately 0.75 miles to the west. The District holds an easement for the booster pump station on private property and the site is directly adjacent to Bow Hill Road. The site is approximately 4.5 miles south of the Alger area, 9.5 miles south of Lake Samish, and less than 10 miles from the areas surrounding Bow, Edison, Allen, and Burlington. Installation of this fill station would enable the District to cease use of hydrant meters at the Alger system.

Conway Fire Station (Conway)
The Conway fill station is anticipated to be located at the south end of the District's service area at an existing fill station used by a farming cooperative. The existing fill station is not capable of automated retail sale. The site is less than a half mile from Interstate 5 and is adjacent to the productive farmland of Fir Island and south Mount Vernon. Located in an existing parking lot, the site would be convenient for trucks to access from Fir Island Road. The Conway fill station is also approximately 2.5 miles from Starbird Road, an area known for lack of available water for home construction and development.

Sedro-Woolley Vicinity
A fill station located near the city of Sedro-Woolley at the east end of the District's services area will provide a supply for trucked water to the nearby areas including Clear Lake, Big Lake, the Hansen-Thomas Creek basin, and eastern portions of Skagit County such as Lyman, Hamilton, and beyond. The initial location proposed for this fill station is near an existing portion of the District's Judy System waterlines at Twin Holly Court and Fruitdale Road on the east side of the city limits. As new easements are anticipated to be needed for this site, an alternative site may be used elsewhere in the general area of Sedro-Woolley. If a suitable alternative site is necessary and cannot be found or cannot be approved and constructed by the end of 2015, this site may be deleted from the project's scope of work.

4. DESCRIPTION OF NEED

Describe what would occur without the benefit of the proposed project(s), including: the nature of the actual hardship, both short-term and long-term impacts, the expected loss of normal water supply by percentage, and the estimated potential financial losses. Explain why these circumstances constitute a water supply emergency resulting from natural-caused drought conditions, rather than a pre-existing condition during a normal water year.

The District has historically provided temporary hydrant meters to customers to allow for bulk use of water from a hydrant or similar discharge appurtenance. The hydrant meter is either connected directly to an irrigation system or water is transferred to a truck to be hauled to the point of use. The intensity of this type of use has significantly increased in 2015 with drought conditions and the District has discovered that a number of people are using this trucked water for basic residential needs when their wells dry up. At the time of this application, elevated use of hydrant meters is continuing into the fall season. The increased use is resulting in increased administrative burden to the District and increased risk to the safety and operation of the District's water systems. Installation of self-serve fill stations will increase the availability of bulk water to fill these needs and will decrease risks to safe drinking water and administrative costs to the District.

The warmer and drier conditions of this drought have affected water users from the very beginning of the crisis. The attached Table 1 describes use of hydrant meters in 2014 and 2015. Use of Hydrant meters has been significantly higher in every month of 2015 and year to date is over four times the 2014 amount.

During the analysis of hydrant meter usage, it was discovered that at least nine customers are using hydrant meters to supply their residential water needs. These people have wells that are drying up in the summer months leaving them with no water supply for their homes. Two residences started new use during the drought of 2015

and four of the seven residences using this type of source in previous years increased their use in 2015. This increased use of trucked water to supply basic water needs indicates that the aquifers in the area have dropped in comparison to previous years due to drought conditions and are continuing to remain low. The attached maps detail the locations of the properties that are using District hydrant meters to supply water for residential uses. The attached Table 2 details the use of hydrant meters to support these residents during this drought.

It is likely there are other homes in the area that are experiencing similar problems with their wells drying up. Due to the negative aspects of the use of hydrant meters to serve trucked water needs, the District does not actively promote this type of water use. Easier access to trucked water would likely result in increases in the number of people using this solution to address these dire circumstances.

Farmers have historically used hydrant meters to supplement existing sources for irrigation water in the summer months. As described above, overall hydrant use has increased four-fold in 2015. Two irrigation districts in the lower Skagit River basin experienced such dramatic impacts from the drought that they approached the District to request temporary use of District surface water rights. Skagit County Drainage & Irrigation District (DID) No. 15 and Skagit County Consolidated Diking Improvements District (CDID) No. 22 provide irrigation water to farmers in the Fir Island and west Mount Vernon areas. Due to a lack of water rights senior to Skagit River instream flows and the continued low levels of the Skagit River, these entities have been unable to provide enough water to crops critical to the farming economy of Skagit County. Ecology has approved a temporary transfer of District surface water rights allowing these farmers to withdraw much needed irrigation water.

The use of hydrant meters for trucked water increases the risk of contamination of the District's water systems. While hydrant meters include a "double-check" valve to keep contaminants from getting into the waterlines, misuse of the assembly by the customer could result in damage to the valve. Also, customers are not usually trained in the proper opening and closing of the valves. Damage to the waterlines can result from quick changes in hydraulic pressure when valves are operated incorrectly.

The Alger water system (PWSID No. 01400 K) uses a well pump that does not have significant capacity above the amount currently used by connected customers. The District is concerned that increases in the use of hydrant meters in this area is resulting in the pump's inability to maintain adequate reservoir storage. The system is also experiencing fluctuating water pressure as a result of the use of hydrant meters. The two new residential users of hydrant meters in 2015 and two of the four current customers with increased use in 2015 are withdrawing water from the Alger water system.

Administrative costs related to hydrant meters include checking out the assemblies, meeting with customers to read meters, equipment maintenance, and increased supervision of water system status. While withdrawal locations are established, customers have the ability to attach to any hydrant in the system. Other impacts to the District include increased theft from hydrants due to the lack of convenient sources. These costs and impacts have increased along with the increased use of hydrant meters during the drought conditions.

While the use of hydrant meters for trucked water has already created a need for an alternate solution, the drought is greatly increasing this need. The costs and impacts to the District as well as the need for a trucked water source for many residents and farmers in Skagit County are continuing with the extended drought conditions.

5. EXPECTED OUTCOME(S)

Describe how the projects would reduce or avoid harm or hardships and any measures planned to assure the capability and reliability of the proposed project(s) to provide an emergency water supply to the applicant.

The establishment of fill stations at strategic locations in the lower Skagit River basin will reduce the ongoing hardships of residents described in the previous section.

The establishment of automated bulk water loading stations will increase the availability of water to people with wells that have dried up during drought conditions and will provide an option to farmers that are unable to use their irrigation water rights that are junior to the Skagit River instream flows. The negative impacts to the safety of the District's water systems and increased administrative costs will also be reduced.

The Bow Hill Road fill station will allow for the removal of hydrant meters currently connected to the Alger water system. As described in previous sections, the Alger water system includes equipment that does not have a significant amount of excess capacity for pumping from the well. Removal of the hydrant meters reduces opportunity for contamination of the water system and will increase the District's ability to maintain adequate line pressure and reservoir levels for fire protection and use by connected customers. Six of the nine customers using hydrant meters to address residential well problems are using the Alger system.

Locating a fill station approximately 4.5 miles south of Alger at Bow Hill Road will make bulk water from the Judy System available to home owners in need. The Judy System has large amounts of available capacity and can easily provide for the current needs for trucked water in the Alger area. This fill station would also provide a trucked water option to people having similar problems in western Mount Vernon, Burlington, Bay View, and Lake Samish in southern Whatcom County.

The Conway fill station will provide a source for trucked water to residences with well problems in the Fir Island, south Mount Vernon, Conway, Big Lake, and surrounding areas. Two of the existing customers using a hydrant meter to support low well levels are in the Big Lake or southeastern Mount Vernon areas.

The Sedro-Woolley fill station will provide a source for trucked water to residences in areas around Sedro-Woolley, Burlington, Clear Lake, and eastern Skagit County. One of the existing customers using a hydrant meter to support low well levels is in the Clear Lake area. The District is aware of at least two homes in the Lyman area that plan to use rainwater catchment for their primary water source. A fill station in this area will help support homeowners with current well problems and those whose rainwater catchment systems prove inadequate during these dry conditions.

The placement of these three fill stations will work to minimize the ongoing hardships of this drought throughout a large portion of Skagit County as well as portions of southern Whatcom County. Each station will be connected to the Judy System. The Judy System is positioned to be a primary solution to piped water needs of the area due to adequate water rights and a robust infrastructure. This project will allow for the District to provide large amounts of piped water to strategic locations for distribution by the capable individuals and private companies of the local area.

While this application has described a number of residences clearly in need of this solution, it is likely there are numerous other people struggling with low production wells. These fill stations are designed to be quickly installed, will be user-friendly and easy to use, and will provide for the optimum use of public and private resources. The fill stations will also provide a supplemental source of water for residents desiring to construct homes with rainwater catchment systems.

6. WATER SHORTAGE RESPONSE ACTIONS ALREADY TAKEN

Describe the measures taken by the applicant to plan for or mitigate the effects of drought (e.g., conservation, irrigation efficiency measures, leakage, elimination of non-essential uses).

The District has taken a number of measures to plan and mitigate for the effects of this drought, from reservoir management to the short-term transfer of water rights to irrigators. The District's established water conservation program has included website posting and newspaper articles describing the importance of water saving efforts by the consumer.

Judy Reservoir, a 145-acre impoundment for source water of the Judy System, is tightly managed by District staff. As the drought intensified in early 2015, the District increased withdrawals from the Skagit River to raise the reservoir above normally planned levels. This provided for adequate supplies throughout the summer as customer use increased and stream sources used for source water diminished with dropping stream flows. As detailed in section four, the District temporarily transferred a portion of the Judy System water rights to local farmers left without irrigation water when the Skagit River dropped below instream flows.

7. WATER RIGHTS

(a) Describe whether you have or will be submitting an application for an emergency drought authorization and or have other pending water right applications

As described in section four, the District transferred a portion of the Judy System water rights to local farmers this summer. This transfer was done in two actions:

- Letter from Ecology dated June 15, 2015: a 24-hour transfer from water rights S1-25129P and GWP 3350 was granted to DID No. 15 and CDID No. 22 for 39.67 acre-feet.
- Letter from Ecology dated July 8, 2015: a summer-long transfer from water right S1-25129P was granted to DID No. 15 and CDID No. 22 for 445.5 acre-feet.

At this time the District does not have plans for additional transfer of water rights.

(b) List the applicant's legal water rights to divert or withdraw water for use on land within the applicant's legal boundaries, and attach copies.

The District has a large amount of water rights related to the Judy System and numerous satellite water systems. Water rights documents related to the Alger system and a summary of water rights for the Judy System are attached. The Alger system uses a well and the Judy System withdraws surface water from the Skagit River and four streams in the Cultus Mountains east of the city of Mount Vernon.

8. INTERGOVERNMENTAL COORDINATION

Provide a summary of how the applicant has and/or will consult with affected agencies and/or Indian Tribes prior to and during implementation of the proposed project(s). Include a list of the affected agencies and Indian Tribes and a summary of impacts/approvals if known. (Attach an additional sheet if necessary.)

The District's standard procedures are to assess each project for required permits and regulatory approvals. It is anticipated that these projects will be exempt from SEPA review. If SEPA review is required, the District will be lead agency and the process will be completed prior to the start of work. Minor permitting, if any, may be required from Skagit County or the city of Sedro-Woolley. We do not anticipate delays in receiving approvals from these jurisdictions.

The three fill station locations are within previously-disturbed areas and the risk of inadvertent discovery of archaeological or cultural resources is anticipated to be low. The District implements an inadvertent discovery plan on all projects and is prepared to stop work if such resources are discovered during construction. The District also has a good working relationship with the three affected tribes in the area (Swinomish, Samish, and Upper Skagit) and will consult with them as necessary throughout the process.

9. PROJECT(S) SCHEDULE/DURATION

(a) When do you expect to have all the required permitting, approvals, and funding?

Design and permitting of the project will be completed by District staff. The project is anticipated to be ready for construction in early December 2015. The project funds to be provided by the District will be derived from internal reserves and will be available upon District board approval when the project is initiated. Partial funding through the Ecology drought relief program is critical to this project as these conditions were unanticipated and not budgeted for by the District. If the Sedro-Woolley site is removed from the project scope, the estimated total project cost will be reduced by $55,000.

(b) Approximately how long will the proposed project(s) take to complete?

The construction of the project is anticipated to take approximately three weeks to complete.

(c) Expected project(s) schedule, including start date, completion date, and significant intermediary steps:

Task	Timeline
Engineering and Design	Started; completed by December 1, 2015
Order equipment	November 2, 2015 (approximately six-week lead time)
Permitting Process	Completed by December 1, 2015
Construction	December 1-31, 2015

10. PROJECT COMPONENTS

Check appropriate box or boxes and complete estimated cost for proposed activities under this grant.

(a)	☒ Engineering design and report	$ 5,000
(b)	☐ Project(s) plans and specifications	$ _____
(c)	☒ Purchase of land, rights-of-way, easements	$ 10,000
(d)	☒ Construction	$ 145,000
(e)	☐ Construction engineering	$ _____
(f)	☐ Education and outreach	$ _____
(g)	Other _____	$ _____

11. FUND SOURCES	Estimated total project cost		Estimated eligible project cost	
(a) Total estimated project(s) cost	100 %	$ 160,000	100 %	$ 160,000
(b) Total estimated eligible project(s) cost	100 %	$ 160,000	100 %	$ 160,000
(c) Ecology grant share	50 %	$ 80,000	50 %	$ 80,000
(d) Match fund source(s): District reserves	50 %	$ 80,000	50 %	$ 80,000
(e)	%	$	%	$
(f)	%	$	%	$
(g)	%	$	%	$
☐ Applicant may be exempt under WAC 173-167-040(3) from the fund match requirement				

12. CERTIFICATION

I certify to the best of my knowledge that the information in this application is true, complete, and correct and that I am legally authorized to sign and submit this information on behalf of the applicant.

Robert B. Powell	RBPowell
PRINT NAME	SIGNATURE
General Manager	10/23/2015
TITLE	DATE

13. Send original, including attached sheets, maps, copies of water rights, and other supporting documents, to:

Department of Ecology
Water Resources Program
PO Box 47600
Olympia, WA 98504-7600
ATTN: Rebecca Inman

Instructions

General Instructions

Applicants are encouraged to submit applications for grant funding as *early as possible*, once a proposal is identified that would reduce or avoid hardships that would otherwise result from the current drought emergency. Take care to *provide accurate and complete answers* to each question in the application, to the best of your ability. Incomplete applications will be returned.

The answers supplied in this application will be used to determine:

- The eligibility of the applicant and the proposal for funding under the Drought Relief Grant Program.
- The priority and ranking of the proposal in regard to competing proposals.

Once a proposal is selected for potential funding, further information and clarification may be requested.

Questions

1. Applicants must be public bodies, as defined in WAC 173-167-030. Provide the name and mailing address of the public body that is applying for funding. Identify the type of organization (if, not evident from the name), the date of formation, and the authority it was organized under.

   Examples:

City or Town	RCW 35.02
Irrigation District	RCW 87.03
Public Utility District	RCW 54.08
Utility Local Improvement Dist	RCW 88.32
Water – Sewer District	RCW 57.04

2. Provide the name and contact information for the applicant's representative for questions or actions related to the grant application.

3. Describe the proposal as completely as possible, including the specifics from questions 9 (timeline) and 10 (project components). Attach an area map that shows the project site location. If available, also provide the layout of the proposal.

4. Describe how the drought has or is expected to harm or cause hardship for the applicant and its constituents:
   - What portion (percentage) of the normal water supply is not available?
   - What is the potential impact that will be reduced or avoided by the proposal?
   - Are the potential losses short-term (loss of an annual crop, bottled water delivers necessary), or long-term (loss of mature fruit trees, permanent damage to diversion or delivery systems, loss of breeding stock)?
   - If possible, provide an estimate of the potential financial loss to the applicant and their constituents should the impacts of the drought go unabated.
   - Explain why these circumstances are drought related, rather than an ongoing problem during normal water years.

5. Describe how the proposal would reduce or avoid the harm or hardships described in 4 (above). Include information on factors that ensure the capability and reliability of the proposal to alleviate the impacts of the drought. (Examples include: Adaptive management plan, contingencies, consultation with experts in the field, staff expertise, maintenance plan, etc.)

6. Describe any other measures taken by the applicant to reduce or eliminate drought impacts *beyond* the scope of the current proposal, such as drought planning, tiered utility rates, programs that promote or enforce conservation, piping ditches, repairing or replacing leaking piping, irrigation efficiency measures.

7. Emergency drought authorizations grant temporary access to alternative water supplies when drought has reduced supplies available under existing legal water rights. Ecology processes these requests within a short time-frame, but may only grant authorization if other existing rights will not be impaired. When approved, the emergency water right expires at the conclusion of the declared emergency and a new application must be filed to renew the use even in subsequent drought emergencies.

8. Affected agencies include those with permitting, funding, or other jurisdictional approval. Affected tribes may not be restricted to those having a local reservation. The Federally Recognized Tribes of Washington State map can help you determine which tribes to contact.

9. Emergency drought relief projects funded under this grant program must be given expedited permit processing (two weeks). Priority is given to those projects that provide the most benefit during the current declared drought. The proposal must be completed before January 1, 2016 when the current drought emergency declaration expires.

10. Enter the estimated costs associated with each activity that is necessary to complete your proposal. Do not include the costs of activities that are already complete.

11. Use the responses in #10 above to determine the total estimated project cost. Refer to the "Yellow Book" for guidance on "eligible project costs." WAC 173-167-040 (3) exempts drinking water suppliers that serve a population under 25,000, where the mean household income is less than 80 percent of the state average. Contact Rebecca Inman at (360) 407-6450 if you have questions on how to verify eligibility for the exemption.

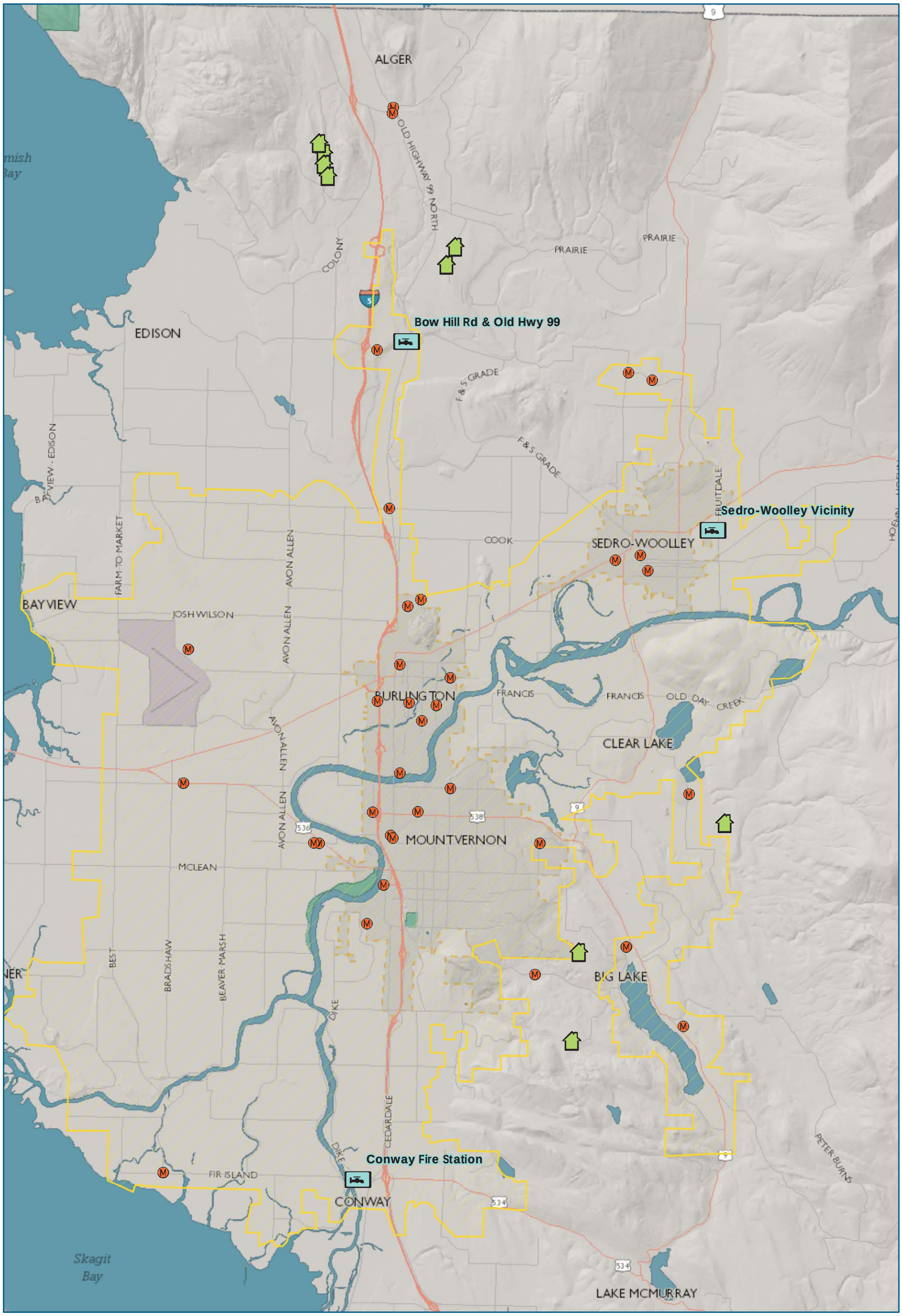
12. An authorized representative of the applicant must sign the application indicating that the information provided is true, complete, and correct.

13. Send the original signed application and supporting documents to:

Dept of Ecology
Water Resources Program
PO BOX 47600
Olympia WA 98504

Attn: Rebecca Inman

If you have questions or any problems completing this application, please contact Rebecca Inman at (306) 407-6450 or Rebecca.Inman@ecy.wa.gov.



Proposed Fill Station Vicinity Map

Proposed Fill Station Sites, Hydrant Meters, and Domestic Use Sites

0 1 2 4 Miles

NAD 1983 StatePlane Washington North FIPS 4601 Feet
Author: wilson
10/23/2015

Hydrant Meters

Proposed Fill Station

Domestic Use of Hydrant Meters

Judy System Service Area

Skagit PUD
PUBLIC UTILITY DISTRICT

Document Path: M:\ProjectMaps\Cort\Mapping&AnalysisRequests\BillFillStationExhibit\FillStationExhibit.mxd


Bow Hill Rd & Old Hwy 99
18994 Bow Hill Rd, Bow
JENNIFER
BOW HILL
Bow Hill Booster Station
NORTH GREEN
OLD HIGHWAY 99 NORTH
PRAIRIE
SEDRO-WOOLLEY
BURLINGTON
MOUNTVERNON
LA CONNER
N
W
E
S
Proposed Fill Stations
Water Mains


Conway Fire Station
21020 Greenfield St, Conway
DIKE
FIR ISLAND
Conway Fire Station
GREENFIELD
SECOND
SPRUCE
MAIN
SEDRO-WOOLLEY
BURLINGTON
MOUNT VERNON
CONNER
N
W
E
S
Proposed Fill Stations
Water Mains


Sedro-Woolley Vicinity
Twin Holly Court, Sedro Woolley
SEDRO-WOOLLEY
BURLINGTON
MOUNT VERNON
A CONNER
TWIN HOLLY
FRUITDALE
N
W
E
S
Proposed Fill Stations
Water Mains

Analysis of Hydrant Meter Use

Table 1. Hydrant Usage through October 8, 2015 (CCF).

Month	Year		% Increase
	2014	2015	
January	0	16	New
February	0	361	New
March	60	170	283%
April	124	234	189%
May	104	868	835%
June	219	248	113%
July	955	11,729	1228%
August	1,117	4,684	419%
September	4,593	12,628	275%
October	1,466	832	57%
November	473	N/A	N/A
December	1,081	N/A	N/A
Subtotal through September	7,172	30,938	431%

Table 2. Hydrant Use by Residential Customers.

Point of Use Vicinity		Water use (CCF)		
	Hydrant Location (vicinity)	2013 (full year)	2014 (full year)	2015 (through Sept.)
17555 Peace Lane, Bow	Alger	20	7	21
17452 Regulas Lane, Bow	Alger	11	3	16
16884 S. Andal Road, Mount Vernon	Big Lake	7	17	25
14552 Fawn Lane, Mount Vernon	Clear Lake	0	19	20
4566 Humphrey Hill Road, Sedro-Woolley	Alger	52	76	18
Barrel Springs Road vicinity	Alger	18	0	10
22207 Amick Road, Mount Vernon	Big Lake	11	34	23
4219 Humphrey Hill Road, Sedro-Woolley	Alger	New in 2015		
17549 Turtle Ln, Bow	Alger	New in 2015		

Table 7 1. Judy System Water Rights

Certificates and Claims-MOA Related*							
Source	Status	Document	Priority Date	Qi (cfs)	Qi (MGD)	Qa (afy)	Comments
Gilligan Creek	Certificated	Vol 1, PG 411	10/10/1929	1.5	0.97	1,086	From Puget Sound Pulp and Timber Co. River added as source.
Gilligan Creek	Certificated	S1-00724C	10/30/1963	8.89	5.75	3,700	Supplemental to certificate 411. River added as source.
Mundt Creek	Certificated	Vol 1, PG 26	9/28/1917	2.5	1.62	1,810	Qa is calculated based on continuous use. River added as source.
Mundt Creek	Certificated	S1-00737C	10/30/1963	8	5.17	3,886	Qa is supplemental to SWC 26 (2,076 primary; 1,810 supplemental). River added as source.
Turner Creek	Certificated	Claim 9333	Pre-1917	4.3	2.78	2,300	Vested right transferred to District. River added as source.
Turner Creek	Certificated	S1-00739C	10/30/1963	6.2	4.01	3,022	Qa is supplemental to claim 009333 (722 primary; 2,300 supplemental). River added as source.
Salmon Creek	Certificated	Claim 9332	Pre-1917	1.8	1.16	307	Vested right transferred to District. River added as source.
Skagit River Ranney Well	Permitted	GWP 3350; Vol 5, PG 2107-A	5/12/1954	8.9	5.75	6,400	Point of withdrawal changed to Skagit River.
Sedro-Woolley Well	Permitted	GWP 2911; Vol 4, PG 1904-A	3/26/1954	2	1.29	1,440	Point of withdrawal changed to Skagit River.
Applications-MOA Related*							
Source	Status	Document	Priority Date	Qi (cfs)	Qi (MGD)	Qa (afy)	Comments
Gilligan Creek	Permitted	S1-25129P	11/16/1987	13.15	8.50	3,700	Qa is supplemental to SWC 411 and S1-00724C. River added as source.
Mundt Creek	Application	S1-27861	10/22/1997	16.06	10.38		River added as source.
Turner Creek	Permitted	S1-27862P	10/22/1997	6.6	4.27	3,022	Qa is supplemental to Claim 009333 and S1-00739C. River added as source.
Salmon Creek	Permitted	S1-*18219P	10/30/1963	4	2.59	307	Qa is supplemental to Claim 009332. River added as source.
Skagit River	Application	S1-27860	10/22/1997	12.8	8.27		
Certificates and Claims-Storage							
Source	Status	Document	Priority Date	Qi (cfs)	Qi (MGD)	Qa (afy)	Comments
Judy Reservoir	Certificated	Vol 18, 8738	1/16/1946	n/a	n/a	1,500	Permit R-142.
Judy Reservoir	Certificated	R1-00673C	4/24/1963	n/a	n/a	4,250	Permit R-293. Amended cert. issued 8-19-2004.
Other Certificates and Claims-Inactive							
Source	Status	Document	Priority Date	Qi (cfs)	Qi (MGD)	Qa (afy)	Comments
Rock Springs Creek	Claim	Claim 009334	pre-1917	0.2	0.13	40	Vested right transferred to District.
Pigeon Creek	Claim	Claim 009335	pre-1917	0.2	0.13	40	Vested right transferred to District.
Unnamed creek	Claim	Claim 009336	pre-1917	0.1	0.06	20	Vested right transferred to District.
Cold Springs Creek	Claim	Claim 009337	pre-1917	0.2	0.13	40	Vested right transferred to District.
East Fork Nookachamps Creek	Claim	Claim 009338	pre-1917	1.1	0.71	110	Vested right transferred to District.
Samish River Park	Certificated	G1-00128C	7/26/1971	0.33	0.22	30	Well. Temporarily donated to Washington State Trust Water Rights Program.
Other Applications-Inactive							
Name	Status	Document	Priority Date	Qi (cfs)	Qi (MGD)	Qa (afy)	Comments
Starbird	Application	G1-26742	9/29/1992	1.11	0.72		Wells.
Starbird	Application	G1-27030	3/31/1993	0.78	0.50		Wells.

afy = acre-feet per year; cfs = cubic feet per second; MGD = million gallons per day; Qa = annual quantity; Qi = instantaneous quantity.

*1996 Memorandum of Agreement Regarding Utilization of Skagit River Basin Water Resources for Instream and Out of Stream Purposes (MOA). Total combined water right available from the river, streams, or a combination of both is 55.39 cfs (35.8 MGD). The total water right not subject to Lower Skagit River Instream Flows is 42.59 cfs (27.52 MGD). Withdrawals from the Cultus Mountain Streams (Gilligan, Mundt, Turner, and Salmon creeks) are subject to Cultus Mountain instream flow rules.

201411070009
Skagit County Auditor $73.00
11/7/2014 Page 1 of 2 8:34AM

Skagit County PUD #1
c/o Bill Trueman
1415 Freeway Dr
Mount Vernon WA 98273

WASHINGTON STATE DEPARTMENT OF ECOLOGY

STATE OF WASHINGTON
SUPERSEDING CERTIFICATE OF WATER RIGHT

Document Title: Certificate of Water Right

Agency: Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008

Applicant: **Skagit County PUD #1**
c/o Bill Trueman
1415 Freeway Dr
Mount Vernon WA 98273

Reference Number: NA

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
September 21, 1960	5743	5401	3885

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATERS TO BE APPROPRIATED

SOURCE	TRIBUTARY OF (IF SURFACE WATERS)
Well	

MAX. CUBIC FEET PER SECOND	MAX. GALLONS PER MINUTE	MAX. ACRE-FEET PER YEAR
	100	100

QUANTITY/TYPE OF USE/PERIOD OF USE

Municipal supply

LOCATION OF DIVERSION/WITHDRAWAL

LEGAL DESCRIPTION OF LOCATION OF DIVERSION/WITHDRAWAL

1/4 1/4	SECTION	TOWNSHIP N.	RANGE (E. OR W.) W.M.	W.R.I.A.	COUNTY
NW1/4 SW1/4	8	36	4E	3	Skagit

PARCEL # P49105

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

1/4 1/4	SECTION	TOWNSHIP N.	RANGE (E. OR W.) W.M.	W.R.I.A.	COUNTY

PARCEL #

ADDITIONAL LEGAL IS ON PAGE 2

CONTINUED LEGAL DESCRIPTION FOR LOCATION OF DIVERSION/WITHDRAWAL

CONTINUED LEGAL DESCRIPTION FOR PROPERTY ON WHICH WATER IS TO BE USED

Community of Alger, Skagit County, Washington

PROVISIONS

The right to use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for non-use of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Bellevue, Washington, this 3 *day of* December, *2014.*

Maia Bellon, Director
Department of Ecology

By _____
Jerry Liszak, Acting Section Manager
Water Resources Program

DEPARTMENT OF ECOLOGY
STATE OF WASHINGTON
DATA REVIEW
OK
ECY 040-1-2 (Rev. 8-97)